

### Abstract of the Disclosure

A method for differentiating acute myocardial infarction (AMI) from other ECG abnormalities. The method is performed by modeling selected ECG confounders that tend to obscure AMI evidence in the ECG waveform, and by purging a subject's ECG waveform of the effect(s) of these confounders through linking selected confounder models with an appropriate, computer-implementable purge algorithm.